UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/066,479	01/30/2002	Jim Pruyne	10006791-1	3529

	7590	04/07/2005

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EXAMINER
NAWAZ, ASAD M

ART UNIT	PAPER NUMBER
2155	

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is

closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-23* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-23* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *30 January 2002* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage

        application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-23 are presented for examination.

2.   The information disclosure statement filed on January 30, 2002 has been fully

considered.

Drawings

3.   New corrected drawings in compliance with 37 CFR 1.121(d) are required in this

application because Figs 1 and 3 are not clearly legible. Applicant is advised to employ

the services of a competent patent draftsperson outside the Office, as the U.S. Patent

and Trademark Office no longer prepares new drawings. The corrected drawings are

required in reply to the Office action to avoid abandonment of the application. The

requirement for corrected drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5.   Claims 1-23 are rejected under 35 U.S.C. 102(b) as being taught by Diener (US

Patent No 5784562).

As to claim 1, Diener teaches a method for providing exactly-once semantics for web-based transaction processing in a system having a client and a server, comprising the steps of:

a) the client requesting a form from the server; (Abstract)

b) the server generating a unique identifier for identifying a particular transaction; (Abstract)

c) the server providing a form with the unique identifier to the client; (col 2, lines 10-21)

d) posting a filled out form to the server; wherein the filled out form includes the unique identifier; (Abstract; col 2, lines 10-21)

e) upon receiving the filled out form, the server generating a status page for informing the user that the transaction is being processed and returning the status page to the client; and (Abstract; Figs 4 and 5; col 6, lines 18-45)

f) after returning the status page, the server performing transaction processing. (col 2, lines 55-60)

Claims 15 and 21 are essentially the system and error handling method of the above-mentioned claim and are thus rejected under similar rationale.

As to claim 2, Diener teaches the method of claim 1 wherein the step of after returning the status page, the server performing transaction processing includes

checking to determine if there is a transaction with the current unique identifier that has already been committed. (Fig 3, 308; col 8, lines 50-58)

As to claim 3, Diener teaches the method of claim 2 wherein the step of checking to determine if there is a transaction with the current unique identifier that has already been committed includes the steps of performing a rollback operation on in-progress transactions with the same unique identifier; and determining the result and outcome of transactions that have the same unique identifier. (col 9, lines 4-12)

As to claim 4, Diener teaches the method of claim 3 wherein when the outcome is abort, executing a new transaction with the same form data. (col 12, lines 54-59; col 9, lines 16-21)

As to claim 5, Diener teaches the method of claim 3 wherein when the outcome is commit, providing the result to the client. (col 2, lines 55-60)

As to claim 6, Diener teaches the method of claim 5 wherein the step of when the outcome is commit, providing the result to the client includes the steps of providing the transaction outcome to a testable transaction abstraction; and providing the transaction result to the testable transaction abstraction; wherein the transaction outcome and the transaction result of the transaction are highly available. (col 10, lines 33-58)

Claims 19 and 20 are essentially the system for the above mentioned claim and are thus rejected under similar rationale.

As to claim 7, Diener teaches the method of claim 1 further comprising the step of: storing the unique identifier in a uniform resource locator (URL). (col 9, lines 58-65)

As to claim 8, Diener teaches the method of claim 1 further comprising the step of: storing the unique identifier in a browser cookie. (col 3, lines 29-50)

As to claim 9, Diener teaches the method of claim 1 wherein the form provided to the client in step c) includes at least one instruction that instructs the user to reload the current page when a failure message is displayed. (col 12, lines 6-65)

Claims 16 and 18 are essentially the system for performing the above method and are thus rejected under similar rationale.

As to claim 10, Diener teaches the method of claim 1 wherein posting the filled out form to the server includes the step of a user filling out the form. (Abstract)

As to claim 11, Diener teaches the method of claim 1 further comprising the step of automatically reloading the status page after a predetermined time interval; wherein the client can automatically check the status of a transaction without user involvement. (col 12, lines 6-65)

Claim 17 is essentially the system for the above claim and is thus rejected under similar rationale.

As to claim 12, Diener teaches the method of claim 1 wherein the status page includes the unique identifier and form data. (Abstract)

As to claim 13, Diener teaches the method of claim 1 wherein the step of after returning the status page, the server performs transaction processing includes executing server-side business logic. (col 1, lines 16-24)

As to claim 14, Diener teaches the method of claim 1 wherein the client includes a web browser. (col 2, lines 60-65)

As to claim 22, Diener teaches the method of claim 21 wherein the step of when the client has not received the status page, involving the user in error handling by providing at-most once semantics includes: instructing a user to follow a predetermined link to a status page. (col 6, lines 1-30)

As to claim 23, Diener teaches the method of claim 21 wherein the client-side retry mechanism is implemented by utilizing HTML and HTTP semantics; and wherein the client-side error handling mechanism is embedded in downloaded pages. (Abstract; col 2, lines 10-21)
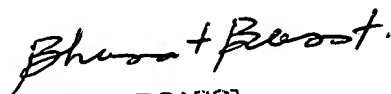
Conclusion

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asad M Nawaz whose telephone number is (571) 272-3988. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

AMN

BHARAT BARO1
PRIMARY EXAMINER